

(descent) from the paraffine-removing xylol down to the stain, and the other for the passage (ascent) from stain to the final xylol for clearing and preparing for the balsam mounting.

A host of changes can be rung on this simple, general procedure of clearing, staining, and mounting; but the beginner had better close his ears to these tunes and his eyes to the fascinating pages of Lee's *Vade-mecum* and similar guides wherein a dozen score of rainbow stains are described, and such refinements of manipulation set forth as would take a decade to learn and would make not a naturalist, but a microscopist. We need to know the technic of histology only in so far as it is necessary to know it, only in so far as we can use it, and only as a means to an end: the end being the study of insect tissue, not that of the behavior of triple stains.

THE HEMIPTERA DESCRIBED BY PHILIP REESE UHLER. III.

BY SAMUEL HENSHAW, CAMBRIDGE, MASS.

REDUIVIDAE.

- ACANTHODESMA, 47-271
 perarmata, 47-271 Japan.
- APIOMERUS
 repletus, 16-329 Cal.
- CONORHINUS
 maximus, 44-286 L. Cal.
 protractus, 44-284 Cal.: San Diego; L. Cal.: Santa Cruz?
 rubidus, 44-285 L. Cal.: Cape San Lucas.
- HARPACTOR
 ornatus, 47-269 Japan.
- ONCEROTRACHELUS
 conformis, 43-211 Grenada.
- ORTHOMETROPS, 52-508
 decorata, 52-509 Md.: near Bladensburg; Pa.; N. J.: near Madison.
- PINDUS
 socius, 13-420 Id.: Snake river; Kans.; Dak.; Ariz.
- PRIONIDUS, 21-23 = *Arilus* Hahn (1831).

- PROCERATES, 47-270
 rubida, 47-270 Japan.
 PTILO CERUS
 immitis, 47-269 Japan.
 SAICA
 annulipes, 43-210 Grenada.
 SINEA
 undulata, 44-282 S. Cal. ; L. Cal : San José del Cabo, Calmalli mines.
 VELINUS
 nodipes, 1-230 (Harpactor) Japan : Simoda

EMESIDAE.

- BARCE
 simplicipes, 18-430 (Emesodema) Mass. : Salem.
 EMESA
 angulata, 41-717 St. Vincent ; vic. Panama.
 marcida, 47-273 Japan.
 EMESOPSIS, 41-718
 nubilus, 41-718 St. Vincent ; Cuba.
 ORTHUNGA
 bivittata, 47-272 Japan.

HYDROBATIDAE.

- HYGROTRECHUS
 conformis, 18-435 [Mass.] : Charles river.
 robustus, 11-105 Cal. : Clear Lake.
 HYMENOBATES, 43-214
 imitator, 43-214 Grenada.
 LIMNOTRECHUS
 elongatus, 47-273 Japan
 METROBATES, 10-108
 hesperius, 10-109 —
 PTILOMERA
 tigrina, 1-230 China : Hong Kong.

VELLIDAE.

HEBRUS

- concinus, 43-221 Grenada; Atlantic States; W. I.; Cal.; Wash.; Md.
 consolidus, 43-222 Grenada.
 sobrinus, 17-452 [Col.]: w. of Denver.¹

MACROVELIA, 13-422

- hornii, 13-422 N. Mex.: Ft. Defiance; Cal.; Ariz.

MESOVELIA

- amoena, 43-218 Grenada.
 bisignata, 21-274, f. 324 Mass. S. through Fla. to Tex.; Cuba; San
 Domingo.

MICROVELIA

- longipes, 43-219 Grenada.
 marginata, 41-719 St. Vincent.
 modesta, 43-220 Grenada.
 robusta, 43-219 Grenada.
 signata, 44-288 L. Cal.: San Esteban.

RHAGOVELIA

- angustipes, 43-215 Grenada
 elegans, 43-216 Grenada
 obesa, 10-107 Md.: near Baltimore; E. Mass.
 plumbea, 43-217 Fla. Keys; Grenada; St. Vincent.

SALDIDAE.

SALDA

- anthracina, 17-438 Pa.: York Co.
 coriacea, 13-421 Ut.: Ogden; N. Engl.; B. Amer.; Ill.
 crassicornis, 17-438 Vic. of Saskatchewan river.
 deplanata, 17-442 Me.; Mass.: Brighton, Cambridgeport; N. Y.; Md.;
 Tex.; N. Mex.; Mo.; Ill.; Mich.; Minn.; Mackenzie river region; Can.;
 near Saskatchewan river; Ont.
 dispersa, 39-383 Ut.: Salt Lake; Col.: w. of Denver.
 elongata, 17-448 B. Col.
 explanata, 39-383: 40-265 Ut.: City Cañon, Ogden, Alton.
 orbiculata, 17-450 E. Mass.; Pa.; N. Y.; Ill.; Tex.; Cal.; Calaveras,
 San Diego.

¹ See Note, p. 88.

- pellita, 17-433 Mass. : near Chelsea, vic. Newtonville.
 polita, 17-411 Cal. : San Diego.
 reperta, 17-447 Mass. : Cambridge.
 separata, 18-432 C. W. ; N. H. ; Mass. ; Pa.
 sphacelata, 17-434 Mass. : Newtonville, Chelsea, Lynn, Braintree ; Md. :
 Sinepuxent Beach ; Cuba ; Cal. ; San Diego.

GALGULIDAE.

PELOGONUS

- americanus, 16-335 Tex. ; Ill. ; Mass. : near Dedham ; Pa. : York Co. ;
 Cuba.

NOTONECTIDAE.

BOTHRONOTUS

- biimpressus, 1-231 [China] : Hong Kong.

NOTONECTA

- irrorata, 18-443 Mass. : Ipswich, Milton.
 shooterii, 44-292 Cal. : San Diego, Los Angeles ; L. Cal. : San José del
 Cabo.

CORISIDAE.

CORISA

- acuminata, 48-392 C. Tex. ; N. Ill.
 decolor, 11-106 Cal. : Clear Lake.
 dispersa, 15-841, pl. 42, f. 7 Cal. : Owen's valley ; Nev. : near Virginia
 City ; Tex.
 harrisii, 18-444 Mass.
 inscripta, 44-294 L. Cal. : Cape San Lucas ; Cal. ; Tex. ; Mex. : Ori-
 zaba ; Ariz. ; N. Mex. ; S. Cal.
 kennicottii, 48-393 Coastal region ; [Ill.] : vic. Chicago.
 laevigata, 39-384 Ut. : near Salt Lake ; Cal. : near San Diego, near San
 Francisco ; Nev. ; Wash. ; Or.
 serrulata, 48-391 Mex. ; S. Cal. ; Ariz.
 substriata, 47-275 Japan.
 subtilis, 16-339 Col.
 tumida, 17-454 [Col.] : Sloan's Lake, w. of Denver.
 vulnerata 3-284 Wash. : near Chiloweyuck depot.